BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8

BR No:- 98/31-5-17. "First and final"

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209311

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Workcode :- 011-16-0000275

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of the WORK :- Estimate for Construction of culverts at Kuvempunagar a 1st stage and varadarajanagara Areas in ward No- 11 (Kuvempunagar) Vidyaranyapura Sub division.						
	(1) KSRRB work order No :- BBMP/EE/BTP/WO/132 & 133/2016-17 Dt:-24/10/2016						
	(2) KSRRB 300-1: Earth work Excavation by manual means in ordinary soil involving an average horizontal draw upto 2 metres and an average lift upto 0.50m, Excavated Surface levelled and sides neatly dressed as per specifications. the disposed earth to be levelled neatly after breaking & clod complie						
	As per premeasurment book of BBMP No- 209390	2094				64.80m³	
				@ Rs. 83.16		Rs 5389=00.	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) KSRB 4-1.3: providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85 cum and fine aggregates 0.5 cum machine mixed concrete laid in layers not exceeding 15cms thick, well compacted on foundation and plinth, including cost of all materials, labour, hire of machinery, curing complete as per specifications. As per measurement wide of MB No - 20949 Page no - 209390 to 20939					7.42 m3 @ Rs. 5070.60	Rs 37,624=00
	(3) KSRB 5.3-3: providing and constructing granite / trap / basalt rubble stone masonry in basement with cement mortar 1:6, edges of stone shall be dressed in courses not less than 15cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications. Culvert Varadarajanagar 5th Cls -	2	7.00	0.60	0.70	= 5.88 m3	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Varadarajanagar 4th Cross - 2
	Mm Cycle Shop Kuvempunagar - 2
	But As
	(4) KSRB 15.1-1: providing and uncoursed stone masonry after raking joints to depth of

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
			Plain Nominal Concrete 1:4:8 mix and down size graded aggregates 0.5 to 40 mm 15 cms thick, well compacted materials, labour, tools &
		7.42 m³	
	0.60		Rs 37,624=00
			trap/basalt size stone masonry one distle dressed in course in each course including specifications.
	0.70	= 5.88 m³	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209312

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Varadarajanagar 4th Cross	2	4	0.6	0.70	= 7.90 m³	
		2	7.6	0.60	0.70	= 6.38 m³	
	M/s Cycle Shop Kurumpangara	2	6.9	0.60	0.70	= 5.80 m³	
					Net Quantity	= 25.96 m³	
	But As per Limited					= 25.92 m³	
	@ Rs. 4905.36					Rs 127147=00.	
	(4) KSRB 15.1.1: Providing flush pointing to square rubble (course (05) uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm, nicely lining, including cost						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	& all materials, labour, curing complete as per specifications.						
	Culvert Varadarajanagar 5th cls }	2 ×	7.00 ×	0.70	=	9.80 m²	
	Varadarajanagar 4th cross } –	2 ×	9.4 ×	0.70	=	13.16 m²	
		2 ×	7.6 ×	0.70	=	10.64 m²	
	MM Cycle shop Kuvempunagar } –	2 ×	6.9 ×	0.70	=	9.66 m²	
			Net quantity		=	43.26 m²	
	Quantity limited to				=	43.20 m²	
						Rs 4292 = 00	
			Qty 99.36				
	(5) KSR 4.1.6: providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregate @ 0.87 cum and fine aggregate @ 0.459 cum machine mixed concrete laid in layers not exceeding 15cms thick,						

Serial No. .....

Name of Work ..... From

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Well compacted on foundation & labour, tools & machinery, curing Culvert varadarajanagar 5th cls – 1 ×	
	4th cls – 1 ×	
	1 ×	
	MM Cycle Shop Kuvempunagar } – Ramp	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		as per specifications	
	0.70	= 9.80 m²	
	0.70	= 13.16 m²	
	0.70	= 10.64 m²	
	0.70	= 9.66 m²	
		= 43.26 m²	
nity		= 43.20 m²	
to		Rs 4292 = 00	
Rs 99.36			
m Plain Cement Concrete of mix			
nd down size graded granite			
fine aggregate @ 0.459 cum			
not exceeding 15cms thick,			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209313

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Well compacted on foundation of 1:4:8 mix cradle, including cost of all materials, labour, Hire & machinery, curing complete as per specifications.						
	Culvert Varada rajanagara 5th cls —	1	7.00	1.5	0.10	= 1.05 m³	
	4th cls —	1	9.44	1.5	0.10	= 1.41 m³	
		1	7.00	1.5	0.10	= 1.14 m³	
	M.Cycle Shop Kanakapura Ramp —	6	0.9	1.5	0.10	= 1.04 m³	
		1	7.00	0.9	0.10	= 1.26 m³	
					net Quantity	= 5.90 m³	
	Payment limited to					= 4.86 m³	

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Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1	Net quantity				=	4.86 m³	
	@ Rs 5490.72					Rs 26685=00	
	(6) Providing precast slab of 25mm thick including cost of materials, labour, curing, transportation, loading, unloading, etc., complete as per specifications.						
	Culvert Varadarajanagar 5th cross	1	7.0	1.50	=	10.50 m²	
	Varadarajanagar 4th cross	1	9.4	1.6	=	12.16 m²	
	C&F.E	1	7.6	1.6	=	11.04 m²	
	Manjunatha Shop Kuvempunagar 31/05	1	6.9	1.6	=		
					net qnty =	48.74 m²	
	But As per limited to				=	48.60 m²	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Net quantity limit
	(7) Lead for disposal of de mechanical means and measurement and quantity same as that of item N
	KRIDL Charges @ 8%.

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
	=	4.86 m³	
		Rs 2685=00	
0.72			
ding Cost of materials, ing, etc., complete as per			
	=	10.50 m²	
	=	15.04 m²	
	=	12.16 m²	
	=	11.04 m²	
	=	48.74 m²	
	=	48.60 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209314

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Net quantity limited to		= 48.60 m²				
			@Rs. 5125.00			Rs 249075=00	
	(7) Lead for disposal of debris shall be payable at mechanical means including loading and unloading from ot to 11.90 KM. Measurement and quantity are same as that of item No-(1)					64.80 m³	
			@Rs 106.34			Rs 6891=00	
				SUB total		Rs 457103=00	
	KRIDL Charges @ 8%.					Rs 36568=00	
						493671.--	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						493671=00	
	Third Party inspection charges @ 1%						4971=00
	Total					Rs	498242=00

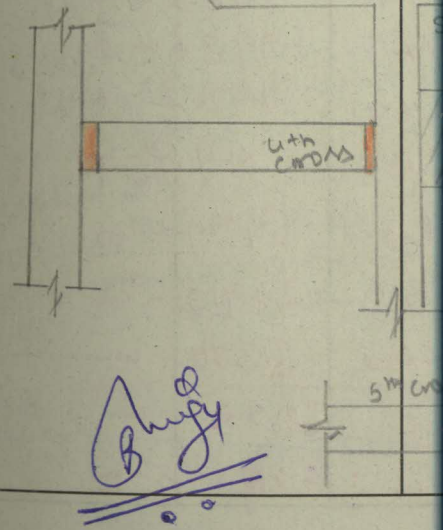
Bhuj

15/05/2017

Assistant Executive Engineer
Vidyaranyapur Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



Bhuj

BOOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
		493671	
			4571=00
		Rs	498242=00
		15/05/2017	

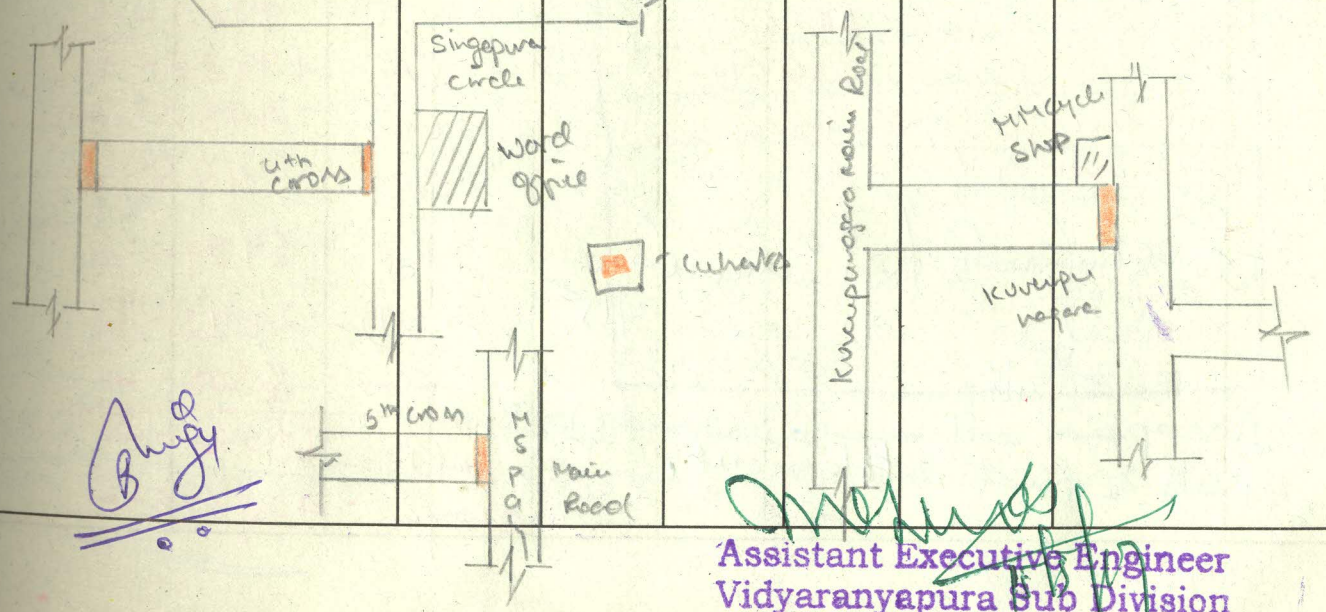
Engineer
Sub Division
ore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209315

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



BR No:-98/31-5-17.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

ಒಟ್ಟು ಮೌಲ್ಯ ರೂ. 498242-00
ಕಡಿತ ಮಾಡಬೇಕಾದ ಮೊತ್ತ ರೂ. 68566-00
ಪಾವತಿಸಬೇಕಾದ ಮೊತ್ತ ರೂ. 429675-00
Four lakh, twenty five thousand six hundred seventy five only.
ಅಕ್ಷರದಲ್ಲಿ ರೂಪಾಯಿ

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಸ.ಇ.
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಸ.ಕಾ.ಅ.
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕಾ.ಅ.
ಬೃ.ಬೆ.ಪ್ರ.ಪ್ರಾ. 31/5
ಬೃ.ಬೆ.ಪ್ರ.ಪ್ರಾ.
31/05

Accepted all measurements with full & final settlement

Total Rs. 4,98,242-00

IT-	9965-00
VAT-	19930-00
Cess.	4982-00
CBF-	498-00
LR-	5979-00
FSD-	24912-00
Fine:	2300-00
Adj.	68566-00
charges.	429676-00

"First and final"

BR No: 99/31-5-17

Serial No. ..... Name of the work:- Ext...

Name of Work ... Ground fm ward no-...

Name of Contractor of nature of Agency ... Work...

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Work code:- 011-	1b
(1)	KSRB2-1-1: Earthwork and lowering to ground ... Culverts, rudd drains and ... Excavated stuff to adistance ... surface levelled and neatly ... As per Premeasurement Book ... BR no-2094 Page No-2093	
(2)	KSRB 2-2-1: Earthwork ... Sanitary line and electrical ...	